

## ABSTRACT

METHOD FOR PRODUCING MODIFIED CONJUGATED DIENE-BASED POLYMER, MODIFIED CONJUGATED DIENE-BASED POLYMER, AND MODIFIED CONJUGATED DIENE-BASED POLYMER COMPOSITION

There are provided a modified conjugated diene-based polymer having a good balance between the hysteresis loss properties and the wet skid resistance, practically sufficient abrasion resistance and fracture strength, and high processability when formed into a vulcanized product, and a modified conjugated diene-based polymer composition. A method for producing a modified conjugated diene-based polymer, comprising: a polymerization step of polymerizing a conjugated diene compound or copolymerizing a conjugated diene compound with an aromatic vinyl compound using an alkali metal compound or an alkaline earth metal compound as a polymerization initiator to obtain a conjugated diene-based polymer having a reactive end, and a modifying step of reacting a compound having a specific structure with the reactive end of the conjugated diene-based polymer.